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February 4, 2004

WRITER'S DIRECT NUMBER: (202) 772-8782 **INTERNET ADDRESS:** GBARDMES@SKGF.COM

Art Unit 2819

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No.: 10/645,924; Filed: August 22, 2003

High-Speed Low-Distortion Analog-To-Digital Converter

Inventors:

Jiang et al.

Our Ref:

1875.3460001/RES/GSB

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Power of Attorney from Assignee;
- 2. Certificate Under 37 C.F.R. § 3.73(b) with a copy of the Assignment attached;
- 3. Information Disclosure Statement;
- 4. Form PTO-1449 listing five (5) cited documents (1 page);
- 5. Copies of the five (5) cited documents; and
- 6. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox P.L.L.c.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skqf.com

Commissioner for Patents February 4, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

George S. Bardmesser Attorney for Applicants Registration No. 44,020

RES/GSB:krh Enclosures

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Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

### POWER OF ATTORNEY FROM ASSIGNEE

Broadcom Corporation, a corporation of California, having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-3616, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on 1) August 2, 2003 2) August 2, 2003 and 3) August 2, 2003 of an invention known as High-Speed Low-Distortion Analog-To-Digital Converter, which is disclosed and claimed in a patent application of the same title by the inventors 1) Xicheng Jiang 2) Zhengyu Wang and 3) Frank Chang (said application filed on August 22, 2003 at the U.S. Patent and Trademark Office, having Application Number 10/645,924).

The Assignee hereby appoint the U.S. attorneys James D. Bennett, Registration No. 37,550, Jeffrey DeRoy Wheeler, Registration No. 39,066; Noel Benjamin Whitley, Registration No. 42,225; and Harry Shannon Tyson, Jr., Registration No. 42,193, of Broadcom Corporation, 16215 Alton Parkway, Irvine, CA 92618-3616, and the attorneys associated with CUSTOMER NUMBER 28393 to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688, Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esq., Reg. No. 35,086; Donald J. Featherstone, Esq., Reg. No. 33,876; Robert C. Millonig, Esq., Reg. No. 34,395; Michael V. Messinger, Esq., Reg. No. 37,575; Judith U. Kim, Esq., Reg. No. 40,679; Timothy J. Shea, Jr., Esq., Reg. No. 41,306; and Patrick E. Garrett, Esq., Reg. No. 39,987. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 U.S.A.

Direct phone calls to 202-371-2600.

SIGNATURE:

FOR: Broadcopf Corporation

BY: Dee Henderson

TITLE: Manager, Intellectual Property Portfolio

DATE: JANUARY 12,2004

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Approved for use through 04/30/2003. OMB 0651-0035
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### STATEMENT UNDER 37 C.F.R. § 3.73(b)

Patent Owner: Xicheng Jiang et al.			
on No./Patent No.: 10/645,924 Filed/Issue Date: August 22, 2003			
High-Speed Low-Distortion Analog-to-Digital Converter			
Broadcom Corporation , a Corporation , (Name of Assignee) , (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)			
it is:			
he assignee of the entire right, title, and interest, or			
an assignee of less than the entire right, title and interest.  The extent (by percentage) of its ownership interest is			
An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was ecorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.			
A chain of title from the inventor(s) of the patent application/patent identified above to the current assigned as shown below:			
. From: To: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.			
The document was recorded in the Patent and Trademark Office at  Reel, Frame, or for which a copy thereof is attached.			
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.			
Additional documents in the chain of title are listed on a supplemental sheet.  NOTE: A separate copy (i.e., the original assignment document or a true copy of the original locument) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302.8			
Dee Henderson Typed or printed name  (949) 926-5958 Telephone number  Telephone supplied below) is empowered to act on behalf of the assignee.  Dee Henderson Typed or printed name  Signature			
o B H of C S S S S S S S S S S S S S S S S S S			

Manager, Intellectual Property Portfolio
Title

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# DO NOT FORWARD TO ASSIGNMENT BRANCH NOT FOR RECORDATION

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#### ASSIGNMENT

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In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: 1) <u>Xicheng Jiang</u> 2) <u>Zhengyu Wang</u> 3) <u>Frank Chang</u> the undersigned inventors hereby sell and assign to <u>Broadcom Corporation</u> (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) 

■ for the United States of America (as defined in 35 U.S.C. § 100),

■ and throughout the world.

- (a) in the invention known as <u>High-Speed Low-Distortion Analog-To-Digital-Converter</u> for which application for patent in the United States of America has (have) been executed by the undersigned on 1) <u>NiChers</u> <u>States</u> 2) <u>Zhennyik haves</u> 3) <u>frank (have)</u> (also known as United States Application No. to be assigned filed herewith, in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor, and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) James D. Bennett, Registration No. 37,550, and David J. Rosmann, Registration No. 43,059, of Broadcom Corporation, 16215 Alton Parkway, Irvine, CA 92618-3616, and Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 31,944; Robert W.

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Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration, No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert B. Sokohi, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millomig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	8/2/83	Signature of Inventor: Xicheng Jiang	Signature of Inventor:	<del></del>
Date:	8/2/03	Signature of Inventor: Wang wang	4744	
Date:	8/2/03	Signature of Inventor.  Frank Chang	Signature of Inventor.	

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